Dixie Travel Demand Model

Legend:
- Apple Valley
- Enterprise
- Hurricane
- Ivins
- Leeds
- Santa Clara
- Springdale
- St. George
- Toquerville
- Washington
- Other Cities
- External Stations

Esri, NASA, NGA, USGS

SOFTWARE

- **Model Software:** Cube 6.4.5
- **ArcGIS version:** 10.6
- **Platform:** Cube Catalog

POINT OF CONTACT

Nick Gayer: ngayer@fivecounty.utah.gov
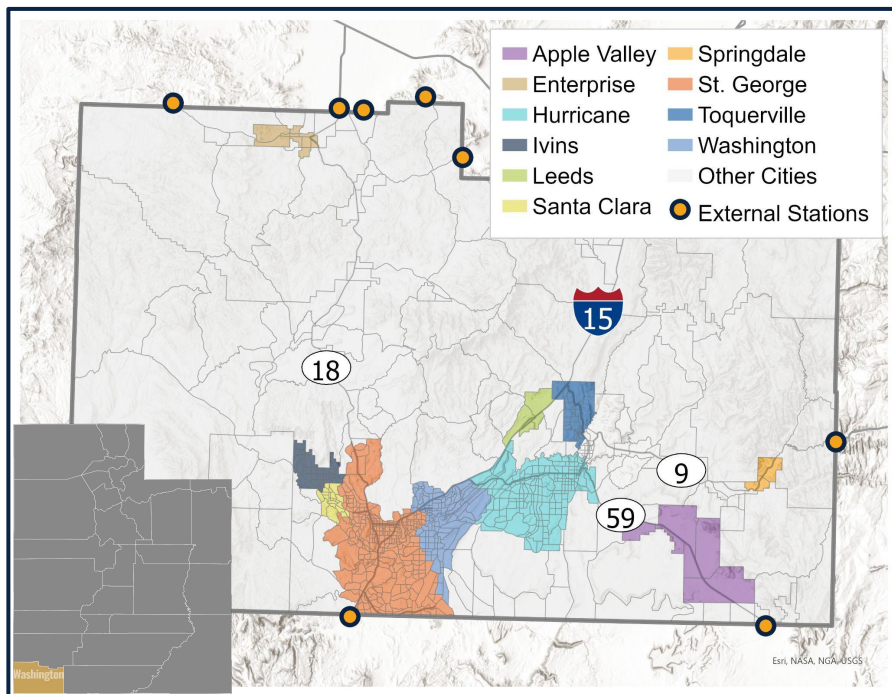
MODEL CHARACTERISTICS

- **Model Type:** Trip-based
- **Geographic Projection:** NAD 1983 UTM Zone 12
- **Scenario Years**
  - 2019 (base year), 2023 (plan opening year), and 2028 (STIP year)
  - Plan Years: 2032, 2042, 2050
- **Model day:** average weekday
- **Time Periods:** AM, midday, PM, evening, and daily
- **Internal TAZs:** 868 (1-868)   &   **External Stations:** 10 (901-910)
- **Trip Types:** internal resident, visitor, recreation, external, and commercial (light, medium, and heavy trucks)
- **Unique Components**
  - College: Utah Tech University
  - Seasonality: **Spring/Fall only calibrated season.**
  - External forces: telecommute, eCommerce, CAVs
  - Recreation:
    - Zion Park: Kolob Canyon, Main Park, Zion Canyon, Visitor Center
    - State Parks: Kolob Reservoir, Quail Creek, Sand Hollow, Gunlock, Snow Canyon
- **Current version:** v3.0
- **Run Time:** ~ 20 minutes
- **Subarea ID:** 3 (used for the statewide model)